

MATERIAL SAFETY DATA SHEET

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Section 6: Accidental Release Measures

Spill / leak Procedures: If spilled, sweep up using an approved toner vacuum with a 0.5 micron filter or smaller, such as the Atrix AAA Toner Vacuum or 3M Toner Vacuum. Use of a vacuum cleaner not rated for toner particles, could result in a fire or personal injury. Remove residue with soap and cold water.

Miscellaneous: Keep product out of sewers and watercourses.

Personal protection: Avoid inhalation of dust.

Section 7: Handling and Storage

Special Handling: Cleanse skin after contact before breaks or meals, and end of workday.

Special Storage: Avoid direct sunlight. Keep out of reach of children. Store in a cool, dry place.

Section 8: Exposure Control and Personal Protection Information:

Ventilation: Local exhaust

Respiratory Protection: Nuisance dust respirator.

Hand Protection: none required under normal use.

Eye Protection: Safety goggles.

Skin Protection: Gloves.

Section 9: Physical and Chemical Properties

CHARACTERISTICS:

Appearance:	Black	Melting point:	120 - 130°C
Form:	Powder	Vapor pressure:	n/a
Odor:	Faint odor	Vapor density:	n/a
Solubility in Water:	Negligible	Evaporation rate:	n/a
Specific gravity:	1.2	Ignition temp.	450°C

Section 10: Stability and Reactivity

Conditions to avoid: Electronic discharge or throwing into fire

Materials to avoid: Oxidizing materials

Stability: Stable

Hazardous decomposition products: CO and CO₂ and other decomposition products when burned.

Section 11: Toxicological Information:

Acute oral toxicity (rat) LD₅₀: Over 5.0 g/kg

Acute Inhalation: LC₅₀ (4H) is in excess of 0.74 g/m³ (rat)

Mutagenicity: Ames Test result: Negative

Dermal: LD50 Over 2.0 g/kg (rat)

Skin sensitizer: None indicated (Guinea-pig)

Eye Irritation: Not an irritant (rabbit)

Section 12: Environmental / Ecological Information

Mobility: No data is available on the adverse effects of this material on the environment.

Persistence/Degradability: No data is available on the adverse effects of this material on the environment.

Bioaccumulation: No data is available on the adverse effects of this material on the environment.

Ecotoxicity: Behavior in Sewage works: No data is available on the adverse effects of this material on the environment.

Aquatic Toxicity: No data is available on the adverse effects of this material on the environment.

Ecological Data (EC) Csb Value (EC): No data is available on the adverse effects of this material on the environment.

AOX-Remark (EC): No data is available on the adverse effects of this material on the environment.

BsB5 Value (EC): No data is available on the adverse effects of this material on the environment.

Significant Components (EC): Not applicable

Section 13: Disposal Consideration

Used Toner should be disposed of under conditions that meet all federal, state and local environmental regulations. Disposal regulations vary from locality to locality; therefore consult your local Lanier office or the EPA to determine the proper method for disposal.

Section 14: Transportation Information

Special Precautions: None

International Transport Information: UN Classification number: None DOT Identification number: None

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Domestic Transportation : n/a Land RID(EC): None ADR(EC): None Inland Waterways ADNR (Rhine R.): None Sea: IMDG: None Air: ICAO-TI: None IATA-DGR: None

Section 15: Regulatory Information

OSHA Hazard Communication Standard, 29 CFR 1910.1200: Not regulated

TSCA: All chemical substances in this product comply with all applicable rules or orders under TSCA

RCRA, 40 CFR 261: Not regulated

NTP Annual Report on Carcinogens: Not listed as a NTP carcinogen

IARC: See Section 11

California Proposition 65: Neither toner, nor any of its components, are listed as chemicals known to the state of California to cause cancer.

Controlled Products Regulations (Canada): This product has been classified in accordance with the hazard criteria of the CPR.

Other State Regulations: Carbon Black is listed in the New Jersey Right To Know List, Pennsylvania Hazardous Substance List and Massachusetts Substance List.

U.S. / Canada Label Standards: LOW HAZARD FOR RECOMMENDED HANDLING. Minimize dust generation and accumulation. Use with adequate ventilation.

EU Information

Label Information according to Directives 67/548 EEC & 88/379 EEC:

Symbol & Indication: Not required Risk Phase: Not required Safety Advice Phase: Not required

EEC Directive (76/548 EEC, 79/831, 92/32 EEC): All chemical substances in this product comply with all applicable rules or order under EEC Directive.

Section 16: Miscellaneous Information

Notice: Judgments as to the suitability of information contained herein for purchaser's purposes are the purchaser's responsibility. Therefore, although reasonable care has been taken in the preparation of such information, Lanier Worldwide, Inc. extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to purchaser's intended purposes or for consequences of its use. All materials may present unknown hazards and should be used with caution. Although certain hazards are described within, we do not guarantee that these are the only hazards, which exist.

References: IARC (1996) IARC Monographs on the Evaluation of the Carcinogenic Risks of Chemical to Humans, Vol. 65, Printing Processes and Printing Inks, Carbon Black and Some Nitro Compounds, Lyon, pp. 149-261.

H. Muhle, B. Bellmann, O. Creutzenberg, C. Dasenbrock, H. Ernst, R. Kilpper, J.C. MacKenzie, P. Morrow, U. Mohr, S. Takenaka, and R. Mermelstein (1991).

Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats, Fundamental and Applied Toxicology 17, pp 280-299.

Abbreviations:

- (1) OSHA PEL ; Permissible Exposure Limit under Occupational Safety and Health Administration. (USA)
- (2) ACGIH TLV; Threshold Limit Value under American Conference of Governmental Industrial Hygienists. (USA)
- (3) DFG-MAK; Maximale Arbeitsplatzkonzentrationen under Deutsche Forschungsgemeinschaft.
- (4) TWA; Time Weighted Average.
- (5) IARC; International Agency for Research on Cancer.
- (6) NTP; National Toxicology Program. (USA)
- (7) NIOSH; National Institute for Occupational Safety and Health. (USA)
- (8) DOT; Department of Transportation. (USA)

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